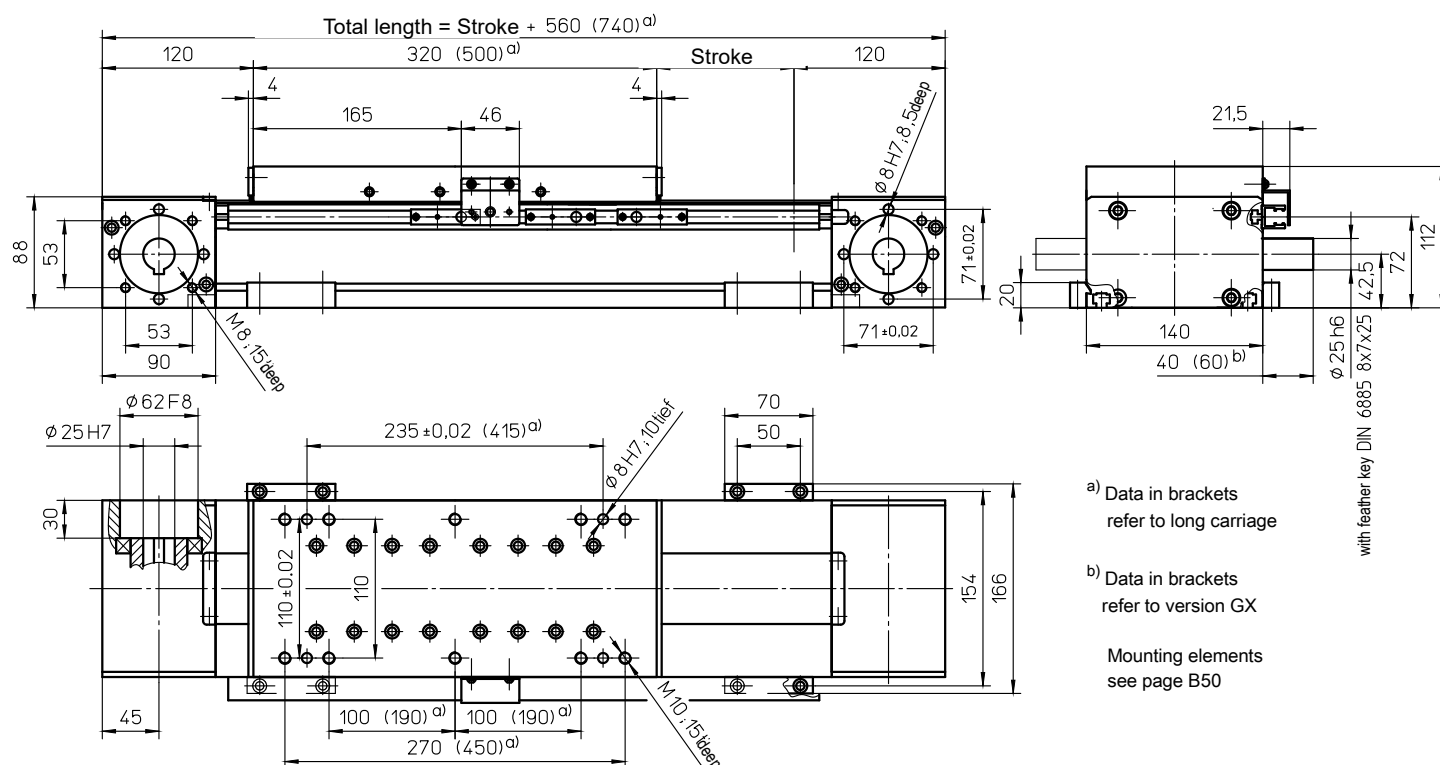


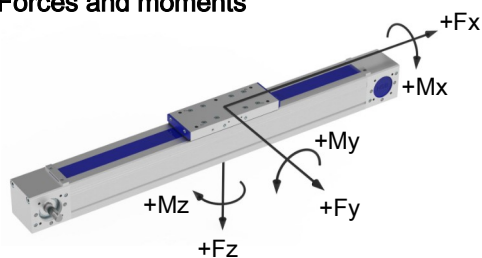
with toothed belt drive and roller guide (ZRS) or double linear guide (ZSS)



Weights	ZRS	ZSS
Basic length without stroke:	13.50 kg	15.00 kg
100 mm stroke:	1.30 kg	1.70 kg
Entire carriage 320 mm:	7.00 kg	7.50 kg
Entire carriage 500 mm:	11.00 kg	11.70 kg

Max. total length: 8100 mm
(longer on request)

Forces and moments



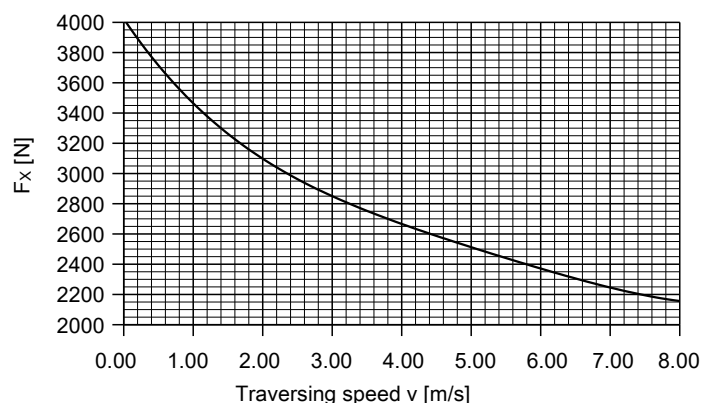
	ZRS	ZSS
Forces	Dynamic [N]	
F_x^d	4000	
F_y	2500	
F_z	5000	6000
-F_z	3000	4000
Moments	Dynamic [Nm]	
M_x	350	500
M_y	700 (900)	1000 (1300)
M_z	500 (900)	1000 (1300)

d) Maximum value (see diagram "F_x-v-Diagram")

Data in brackets refer to long carriage plate (500)

Technical Data	ZRS	ZSS
Max. speed:	8.00 m/s	5.00 m/s
Max. acceleration:	60 m/s ²	
Repeat accuracy:	± 0.08 mm	
Idle torque:	3.50 Nm	
Moment of inertia:	1.90 •10 ⁻² kgm ²	2.00 •10 ⁻² kgm ²
Drive element:	Toothed belt 50 AT10-E	
Stroke per revolution:	220 mm	

$F_x - v$ - Diagram



For mechanical linear drives with roller guide,
the static load rating “C_{stat}” (page TL 11) applies for static loads.